

## EXHIBIT E

Bond coat deformation and damage  
accumulation preceding spallation

Figure 8

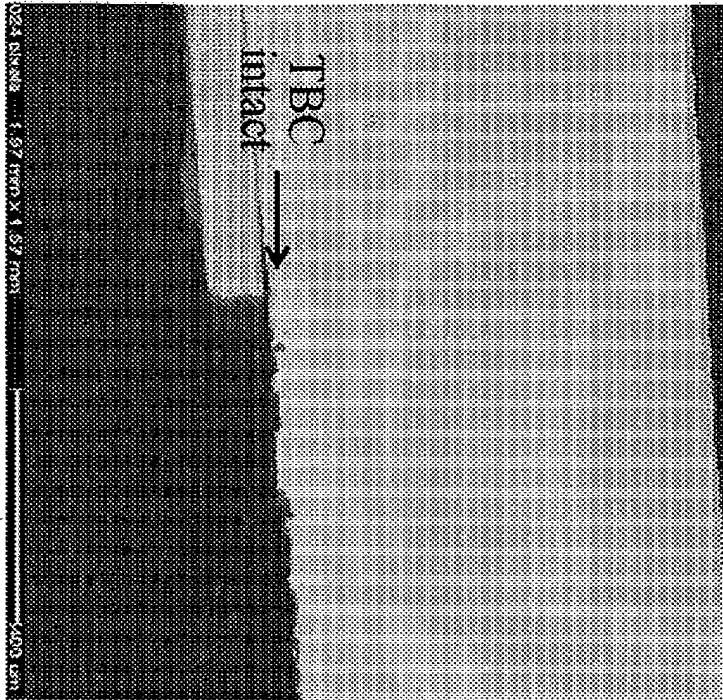
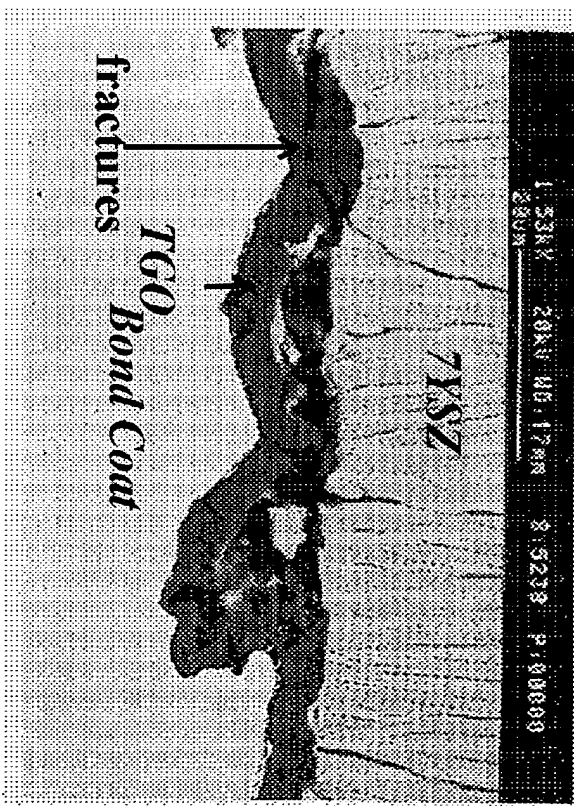


Figure 7

TBC Failure in Short Cycle Engines